

# **Proposal CEQA and NEPA Environmental Consulting Services**



City of Pleasanton Recycled Water Project

**Prepared by:**



**SMB Environmental, Inc.**

**December 2013**



December 27, 2013

Rita Di Candia  
City of Pleasanton  
200 Old Bernal Avenue  
Pleasanton, CA 94566

**Subject: Proposal – CEQA and NEPA Environmental Consulting Services for the City of Pleasanton’s Recycled Water Project**

Dear Mr. Glaze:

SMB Environmental, Inc. (SMB) is pleased to submit this proposal to the City of Pleasanton (City) to provide California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) consulting services for the City’s Recycled Water Project (Proposed Project). We recognize the importance of meeting schedule and budget considerations and are fully committed to assisting you and the City to successfully complete this assignment on-time and within budget.

SMB is a California-based environmental consulting firm that specializes in providing environmental, regulatory, and public relations support for a variety of water and wastewater plans, projects, and programs. SMB has direct experience in preparing environmental compliance documents to meet CEQA and NEPA requirements, securing grants for clients from federal and state sources, following legislative and regulatory changes for clients, and coordinating public involvement programs for a wide variety of public and private projects. SMB has senior level consultants with decades of experience working with water resources projects. We provide our clients with a comprehensive understanding of the issues associated with these kinds of projects in northern California.

As you know, SMB worked through Carollo Engineers, Inc. (Carollo) on the City’s Recycled Water Project and prepared the *Environmental Issues and Constraints Report* that was included as an Appendix to the City’s *Recycled Water Feasibility Report*. We look forward to continuing to assist the City through this exciting project. Presented below is a small listing of other similar and recent projects that we have completed and/or are currently working on to demonstrate our ability to prepare the necessary environmental compliance documents on-time and within budget. These additional projects include the:

- City of Ukiah Recycled Water Project – Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact;
- Los Carneros Water District Recycled Water Pipeline Project – Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact; and
- City of Mountain View Recycled Water Project – Environmental Issues and Constraints Report.

As we discussed, we have designed our approach and scope of work to ensure that the CEQA/NEPA document will cover the whole project (all of the proposed phases – which was referred to as the expanded project), not just the recommended project. This would include consideration of recycled water uses beyond irrigation, such as dual plumbing, fire hydrant and fire sprinkler system, and dust control in construction projects. This would also include the expansion of the Dublin San Ramon Sanitation District's (DSRSD) wastewater treatment plant that has already been constructed and that the City would buy into. Since the environmental work for this has been done in the past, we agree with your assessment that this would not add too much more effort or cost. In addition, we will ensure that this document is comprehensive so that in the future the City has coverage on everything/anything that the City may want to move forward with, without having to go back and redo the environmental review process.

Thank you for the opportunity to propose on this exciting project and I look forward to working with you and the City again. As the President of SMB, I have the authority to sign and commit the firm to this contract. I will personally manage this effort and you have my commitment that I will do everything within my power and control to ensure that this project is a success for you and the City. If you have any questions regarding this proposal, please feel free to call me at 916-517-2189 or email me at [Steve@smbenvironmental.com](mailto:Steve@smbenvironmental.com). Thank you for your consideration.

Sincerely,



Steve M. Brown  
President/Principal

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## SECTION 1 – INTRODUCTION

SMB Environmental, Inc. (SMB) provides the City of Pleasanton (City) with the technical resources, skills, experience, and the necessary range of services to effectively prepare the necessary environmental documents pursuant to the requirements of the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) to support the City's Recycled Water Project (Project/Proposed Project).

Many successful recycled water programs receive funding assistance in the form of low-interest loans, and in some instances, grants are available to reduce the financial burden of initial capital and implementation costs. Funding programs are offered at times through the United States Department of



Interior, Bureau of Reclamation (USBR), United States Department of Agriculture (USDA), the California State Water Resources Control Board (State Board), and/or the California Department of Water Resources (DWR). In addition, local and regional programs,

statewide, occasionally offer additional incentives directed at actual deliveries to promote recycling as an offset to potable water demand. It is anticipated that the City will pursue federal funding under the USBR's Public Law 102-575, Title XVI Water Reclamation and Reuse Program (Title XVI). In addition, the City may also seek funds from the State Revolving Fund (SRF) Loan Program that is administered by the State Board on behalf of the U.S. Environmental Protection Agency (USEPA). As a result, the Proposed Project/Action would be subject to the California Environmental Quality Act (CEQA) at a minimum where the City would be the CEQA Lead Agency to ensure that all of the applicable state environmental regulations are adhered to. If Title XVI funds are used, then USBR would be the NEPA Lead Agency to ensure that all federal environmental regulations are adhered to. Under the State Board's SRF Program, the State Board is responsible on behalf of the USEPA for ensuring that the project adheres to federal environmental regulations, including the Endangered Species Act, the National Historic Preservation Act

(NHPA) and the General Conformity Rule for the Clean Air Act (CAA), among others. The USEPA has chosen to use the CEQA as the compliance base for California's SRF Loan Program, in addition to compliance with ESA, NHPA, and CAA. Collectively, the State Board calls these requirements CEQA-Plus. Additional federal regulations may also apply.

## PROJECT LOCATION AND BACKGROUND

The City is located in Alameda County approximately 35 miles southeast of San Francisco, situated at the junction of I-580 and I-680. The City's water service area encompasses an area of approximately 22 square miles; servicing city residents, commercial customers, and approximately 250 customers in unincorporated Alameda County along Kilcare Road just north of the town of Sunol.

As of 2010, Pleasanton supports a residential population of 69,300. By 2030 Pleasanton's population is projected to grow by another 19 percent to 82,300. The residential sector accounts for the City's largest water consuming sector (61percent), followed by landscape irrigation (27 percent), commercial (12 percent), and lastly industrial sector (<1percent). The importance of efficient and purposeful use of water in California has come under legislative focus through the passage of the Water Conservation Bill of 2009. Under this law, Pleasanton has set the goal of achieving a twenty percent reduction in water consumption by 2020. This equates to a "target" of 195 gallons per capita per day (gpcd), a twenty percent reduction from a baseline of 244 gpcd.



Two sources of water supply Pleasanton's service area: 1) local groundwater from three wells owned and operated by the City (approximately 20% of the annual demand), and 2) the remaining portion of water demand is supplied through the purchase of water from Zone 7. According to the City's agreement with Zone 7, Pleasanton pumps a maximum of 3,500 acre-feet per year from its wells, with a carryover of 700 Acre Feet of unused pumping quota from one year to another.

The City's distribution system currently consists of 22 storage reservoirs with a maximum capacity of 37 million gallons. One of the City's existing storage reservoirs, Tassajara Reservoir, is being considered for conversion to a recycled water storage facility for this Proposed Project/Action. It also includes 14 pressure zones, 14 pump stations, 2,500 fire hydrants and 306 miles of pipelines. This system services approximately 21,700 connections; of which 90 percent are residential customers, 5.5 percent are commercial/institutional customers, 4.5 percent are irrigation customers (for commercial and multi-family residential landscape meters), and less than 1percent are industrial customers.

#### GOAL AND OBJECTIVE AND PURPOSE AND NEED

The purpose of the Proposed Project is to construct and operate a new recycled water system to



replace/augment existing irrigation supplies in the City's service area. In addition, the City would also like to use a portion of this recycled water for other uses beyond irrigation such as dual plumbing, fire hydrant and fire sprinkler system, and dust control in construction projects. The development of recycled water service within the City will lessen the demand for Zone 7 Water Agency (Zone 7) potable water supplies and help the City meet the State of California's Water Conservation Act of 2009, which requires a 20 percent reduction in urban per capita water use by the year 2020. Furthermore, the addition of recycled water to the City's water supply portfolio will increase its water system's

reliability since recycled water is a local supply within the City's control and is drought-proof.

#### PROJECT DESCRIPTION

The Proposed Project includes the upgrade and expansion of the Dublin San Ramon Sanitation District's (DSRSD) existing wastewater treatment plant (WWTP) to provide a recycled water supply of approximately 2,500 afy to meet recycled water demand in the City's service area and offset deliveries from the city's groundwater supplies and water supply purchases from Zone 7. All of the WWTP plant upgrades will be included within DSRSD's existing WWTP location and within existing facilities that were previously designed, sized, and constructed for this potential upgrade and expansion. All of the recycled

water will be produced by the Dublin San Ramon Services District/East Bay Municipal Utilities District (DERWA). The Proposed Project/Action also includes the construction of approximately 20-miles (103,100 linear feet) of pipeline ranging in diameter from 6-inches to 36-inches which would be constructed in several phases. The pipeline facilities will be located primarily in existing roadways. In addition, the Proposed Project/Action will also include the conversion of the existing Tassajara Reservoir to a recycled water storage facility.

## SECTION 2 – APPROACH AND SCOPE OF WORK

SMB provides the City with highly qualified senior-level staff and technical experts who have extensive experience in preparing environmental compliance documents that can withstand public scrutiny, including expanding and improving water treatment plants. Our main goal is to prepare a legally defensible CEQA/NEPA document that will enable the City to effectively implement the City's proposed Recycled Water Project as described above. Key elements of our approach include:

- Working in partnership with the City and USBR to develop a strategy for CEQA/NEPA compliance for the Proposed Project.
- Providing the City and USBR with information and advice on environmental issues that may impact the Proposed Project including an opinion as to the scope of the environmental documentation.
- Identifying contentious and costly issues likely to be involved in the Project and recommend alternative strategies to deal with those issues.
- Identifying all procedural tasks and supporting activities that will be necessary to complete the Proposed Project as soon as possible, and establish a likely timeline for completion.
- Scheduling and assigning resources for meeting the deadlines and associated activities identified in the Project timeline.
- Developing and implementing a work plan to be presented for approval by the City and USBR.



- Preparing all documents necessary for the Proposed Project, including required written responses to oral and written comments received on the draft documents.
- Attending meetings with the City's City Council as necessary to report progress and answer questions, including the noticing, scheduling and conduct of all required public hearings/meetings related to the completion of the environmental documentation.
- Performing studies and/or conducting assessments that are either required for, or support, the Proposed Project.
- Responding to any further requests for additional information after filing CEQA/NEPA documentation.
- Assisting the City in defending and advocating the filed documentation before jurisdictional bodies and appropriate forums.
- Providing effective team leadership and project management skills to complete the environmental review process on-time and within budget.

## SCOPE OF WORK

The following scope of work describes the specific tasks that SMB will employ to successfully complete this assignment. Our experience has demonstrated that a task based approach to the work best meets the project objectives, ensures frequent and timely opportunities for review and input, and facilitates the adherence to project schedule and budget, thereby making for optimum and efficient use of staff resources.

### TASK 1 – PROJECT KICK-OFF MEETING

On receipt of Notice to Proceed, SMB will meet with the City and its engineers to coordinate data transfer and review existing information regarding the Project. In addition, SMB advises that the appropriate staff of USBR attend this meeting as well. The purpose of this meeting would be to confirm

the project’s objectives, identify and confirm the Proposed Project’s facilities and any alternatives, and discuss the specific environmental criteria to be used. The purpose of this meeting also is to confirm all



project assumptions, discuss project roles and responsibilities, ensure compatibility in project schedules, define communication protocols, document methods of analysis, and generally ensure that the team is aware of the overall project description and characteristics being designed. In addition, we will review existing information and establish a library of relevant documents relating to the Project.

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**TASK 2 - PREPARE PROJECT DESCRIPTION**

Based on the engineering information provided by the City and/or its engineer(s), SMB will prepare a Project Description for the Draft IS/MND and EA/FONSI that meets the requirements of CEQA and NEPA.

This task assumes that the City and/or its engineer(s) will provide a physical description of the proposed project, including electronic maps (JPEG or PDF format) of the proposed project facilities and construction techniques. As required by CEQA, the Project Description will be complete with the precise location and boundaries of the Proposed Project; a statement of the objectives (i.e. Purpose and Need) of the Proposed Project; and a general description of the Proposed Project’s technical, economic, environmental, engineering, and/or construction aspects. SMB will ensure that we have a complete and final Project Description prior to initiating any significant efforts in analyzing potential environmental impacts that will help to streamline the schedule and reduce overall costs.




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**TASK 3 – PREPARE ADMINISTRATIVE DRAFT IS/MND AND EA/FONSI**

SMB proposes to prepare an Administrative Draft IS/MND and EA/FONSI pursuant to the requirements of CEQA and NEPA to determine if the Proposed Project may have a significant effect on the environment and if so, to what extent. Based on our initial assessment, it is likely that the Proposed Project will satisfy the CEQA and NEPA requirements through the preparation of an IS/MND and EA/FONSI. Most, if not all, of the potential impacts appear to be short-term/temporary impacts due to construction activities and which can be avoided and/or mitigated to less than significant levels. As a result, SMB proposes to prepare a joint IS/MND and EA/FONSI document to see if it is possible to satisfy the CEQA and NEPA requirement, which could save the City significant amount of time and money. An IS/MND and EA/FONSI document is a preliminary analysis involving the use of a modified CEQA checklist to included NEPA requirements to determine whether an MND/FONSI can be prepared or that an Environmental Impact Report/Environmental Impact Statement (EIR/EIS) is needed. The analyses would be based on existing available information. In addition, SMB will conduct the following specific environmental studies to meet the CEQA and NEPA requirements. These include preparing the following:

- **Prepare Biological Assessment.** SMB will prepare a Biological Assessment (BA) Report for USBR Staff for its use to confer informally with the U.S. Fish and Wildlife Service (USFWS) and/or the National Marine Fisheries Service (NMFS) about potential impacts of federally listed species as a result of the construction and operation of the Proposed Project. The BA will address



the species listed under the federal Endangered Species Act (ESA) that could be within the Proposed Action Area and the ability or likelihood of the Proposed Action to adversely affect those resources.

- **Prepare Section 106 Cultural Resources Report.** SMB will prepare a Cultural Resources Inventory Report to comply with

Section 106 of the National Historic Preservation Act of 1966, as amended. The overarching criteria for determining the significance of impacts to cultural resources are the significance of the

cultural resources themselves, as defined by the National register Criteria (36 CFR Part 60.4). This study will consist of an archeological inventory of cultural surveys and archeological reports, contacts with Native Americans, as well as a cursory reconnaissance survey of the Proposed Action Area.

- ***Prepare Clean Air Act Conformity Report.*** As required, SMB will conduct an analysis to determine if the proposed Projects emissions are in general conformity with the federal Clean Air Act. Conformity determination is a two-step process: (1) applicability analysis and (2) conformity analysis. SMB will conduct the analysis by comparing the Proposed Project's emissions to de minimis pollutant thresholds outlined in the conformity rule.

For any potentially significant impact(s) identified through the CEQA/NEPA Checklist, SMB will develop appropriate mitigation measures to attempt to avoid and/or reduce those impacts to less than significant levels. If the Initial Study concludes that the Proposed Project may have a significant effect on the environment that cannot be avoided or reduced to less than significant levels through mitigation, an EIR/EIS may be required. If it is determined that an EIR and/or an EIS is required, SMB will prepare an additional scope of work, schedule, and budget for preparing the subsequent documents. For purposes of this Scope of Work, it is assumed that a IS/MND and EA/FONSI will be prepared. SMB will prepare and send electronic copies of the Administrative Draft IS/MND and EA FONSI to the City, the City's engineer(s), and USBR for internal team review.

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#### TASK 4 – PREPARE PUBLIC DRAFT IS/MND AND EA/FONSI

Based on comments from the City, its engineer(s), and/or USBR and assuming that an EIR and/or an EIS is not required, SMB will revise the Administrative Draft IS/MND and prepare a Public Draft IS/MND document to undergo the required 30-day public review. A MND and FONSI may only be prepared when no substantial evidence exists, in light of the whole record, that the Proposed Project may have a significant environmental effect. If it is determined by the City and or USBR that an IS/MND and EA/FONSI is the appropriate CEQA/NEPA documentation, SMB will prepare twenty-five (25) copies of the Public Draft IS/MND and EA/FONSI for the required 30-day public review. SMB will prepare a Notice of Completion and deliver fifteen (15) of the copies of the IS/MND and EA/FONSI to the State Clearinghouse pursuant to CEQA. In addition, SMB will prepare a Notice of Intent to Adopt an IS/MND

and send to the Alameda County Clerk-Recorder pursuant to CEQA. In addition, SMB will assist USBR in meeting their noticing requirements under NEPA as well. This task assumes that the City and USBR will send this or a similar notice to any other responsible/trustee agencies with jurisdiction by law, and to other interested or affected parties.

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**TASK 5 – PROCESS IS/MND AND EA/FONSI**

Upon completion of the 30-day public review period, SMB will assist the City and USBR in considering any comments received. As appropriate, SMB will then prepare the necessary documentation to present to the City and USBR for approval of the Proposed Project. The City and USBR are obligated to notify (in writing) any commenting agencies of the date of the public hearing on the Project for which an IS/MND and EA/FONSI is prepared and being considered for approval. SMB will prepare a draft of the Notice of Determination for the City and USBR to sign after and upon Project approval. The City will be responsible for all filing fees with the Alameda County Clerk-Recorder, the State Clearinghouse, and/or any other agency as required.

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**TASK 6 – PROJECT MEETINGS, MANAGEMENT, AND COORDINATION**

In addition to the kick-off meeting in Task 1, SMB will conduct up to five project bi-weekly coordination meetings/conference calls throughout the duration of the project. The purpose of these meetings is to effectively review project status, identify and resolve and technical, cost, or schedule issues, and ensure



the Proposed Project is a success. Due to the nature of this kind of project, it is likely that the completion of the environmental review activities will require at least one field site visit/meeting with the City and several meetings with the City and USBR as well as attendance at two formal City Council Meetings to present and then adopt the environmental document. As a result, we have budgeted

approximately 16 hours for this task. Any additional meetings/hours will be at the discretion of the City and will be billed by SMB on a time-and-materials basis.

**SECTION 3 – RELEVANT EXPERIENCE AND REFERENCES**

SMB is a California-based environmental consulting firm that specializes in providing environmental, regulatory, and public relations support for a variety of water and wastewater plans, projects, and programs. SMB has direct experience in preparing environmental compliance documents to meet CEQA and NEPA requirements, securing grants for clients from federal and



state sources, following legislative and regulatory changes for clients, and coordinating public involvement programs for a wide variety of public and private projects. SMB has senior level consultants with decades of experience working with water resources projects. We provide our clients with a comprehensive understanding of the issues associated with these kinds of projects in northern California. Presented below is a small listing of similar and recent projects that we have completed and/or are currently working on to demonstrate our ability to prepare environmental compliance documents on-time and within budget. We encourage you to contact these individuals who can attest to our abilities, capabilities, and expertise on CEQA-related matters and completing projects successfully on a fast track basis.

**PLEASANTON RECYCLED WATER PROJECT, CITY OF PLEASANTON**



SMB managed and prepared the Environmental Issues and Constraints Report for the City of Pleasanton’s Recycled Water Project. The Proposed Project/Action includes the upgrade and expansion of Dublin San Ramon Sanitation District’s (DSRSD) existing wastewater treatment plant (WWTP) to provide a recycled water supply of approximately 2,500 afy to meet recycled water demand in the

City’s service area and offset deliveries from the city’s groundwater supplies and water supply purchases from Zone 7. The Proposed Project/Action also includes the construction of up to approximately 20-miles (103,100 linear feet) of pipeline ranging in diameter from 6-inches to 36-inches as well as the conversion of the existing Tassajara Reservoir to a recycled water storage facility.

Client: City of Pleasanton, CA  
 Contact: Tracy Clinton – Carollo Engineers  
 Phone Number: (925) 788-7005  
 Email Address: TClinton@carollo.com  
 Address: 2700 Ygnacio Valley Rd, Ste 300  
 Walnut Creek, CA 94597  
 Dates: April 2012 through July 2012

UKIAH RECYCLED WATER PROJECT, CITY OF UKIAH

SMB prepared an Initial Study Mitigated Negative Declaration for the City of Ukiah’s proposed Recycled Water Project. The purpose of the Proposed Project is to replace/augment existing water supplies in Ukiah Valley. Recycled water use within the Ukiah Valley would offset existing and future water demands for irrigation and frost protection of agricultural land, and in doing so, would support the local agricultural industry. It would also offset urban irrigation demands, ease storage limitations at the Ukiah Wastewater Treatment Plant (UWWTP), and reduce treated wastewater discharges to the Russian River. The Proposed Project was developed through an extensive engineering and feasibility study process, culminating in a recommended or preferred alternative.



The basis for the Proposed Project for the environmental analysis is identified as the Preferred Alternative in Chapter 7 of the City’s February 2012 *Recycled Water Master Plan*. The Proposed Project/Action would consist of 9.4 -miles of recycled water pipeline ranging in size from of 8- to 16-inch to provide recycled water from the City’s existing Ukiah WWTP to approximately 990 acres of agricultural and urban landscape irrigation lands within the Ukiah Valley.

Specifically, a total of 44 parcels covering 703 acres would be supplied with 1,234 AFY of recycled water

for irrigation purposes. In addition, about 284 acres would be supplied with 142 AFY of recycled water for frost protection. The Initial Study/Mitigated Negative Declaration was certified and adopted by the City Council on June 5, 2013.

Client: City of Ukiah, CA  
 Contact: Jarod Thiele  
 Phone Number: (707) 463-6755  
 Email Address: Jthiele@cityofukiah.com  
 Address: 300 Seminary Avenue  
 Ukiah, CA 95482  
 Dates: September 2012 through June 2013

LOS CARNEROS RECYCLED WATER PIPELINE PROJECT, LOS CARNEROS WATER DISTRICT

SMB prepared an Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact on the Los Carneros Recycled Water Pipeline Project that proposes to construct



an approximately 12-mile recycled water pipeline to serve the 5,700 acres of agricultural land within the District. The Proposed Project would consist of a 6 to 24-inch pipeline system that would connect to the planned 24-inch

recycled water pipeline to serve the Stanly Ranch/St. Regis area from the Napa Sanitation District’s Imola Wastewater Treatment Plant. The Los Carneros Project would connect to the end of the Stanly Ranch/St. Regis pipeline and construct a new pipeline system from that point on for approximately 12



miles up and through the District. The proposed pipeline system would be located within existing roadway and would not require any pump stations or storage facilities. The Proposed Project would serve approximately 140 parcel or 3,400 acres of irrigable land within the District with a recycled water supply that meets Title 22 requirements of approximately 1,650 acre-feet per year. The document was sent out for the required 30-day public review on December 19, 2013.

Client: Los Carneros Water District  
 Contact: John Stewart  
 Phone Number: (707) 738-4600  
 Email Address: JStewart@rsacivil.com  
 Address: 2111 Las Amigas Road  
 Napa, CA 94559  
 Dates: Ongoing

MOUNTAIN VIEW RECYCLED WATER PROJECT, CITY OF MOUNTAIN VIEW

SMB managed and prepared the Environmental Issues and Constraints Report for the City of Mountain View’s Recycled Water Project. The Proposed Project/Action is for the expansion of the City’s existing



Recycled Water Project to provide an additional approximately 1,125 afy to meet recycled water demand in the City’s

service area through 2035. The Palo Alto Regional Water Quality Control Plant (RWQCP) will produce all of the recycled water. The Proposed Project/Action includes the construction of up to approximately 8 miles (42,800 linear feet) of pipeline ranging in diameter from 6-inches to 24-inches. The pipeline facilities would be located primarily in existing roadways. In addition, the Proposed Project/Action will also include the construction of two (2) storage tanks (i.e. 1.6 million gallons (mg) and 2.9 mg) and six (6) pump stations.

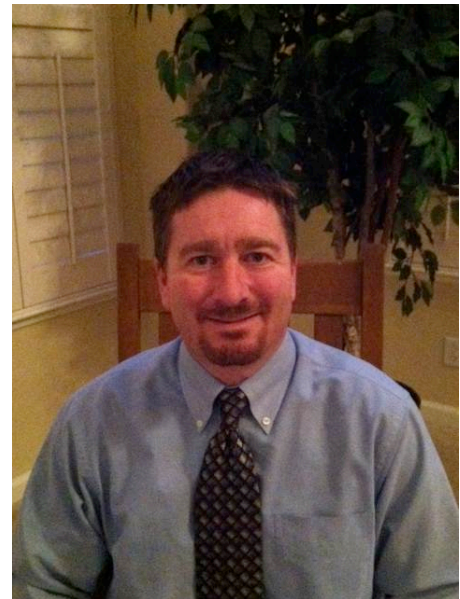
Client: City of Mountain View  
Contact: Tracy Clinton – Carollo Engineers  
Phone Number: (925) 788-7005  
Email Address: TClinton@carollo.com  
Address: 2700 Ygnacio Valley Rd, Ste 300  
Walnut Creek, CA 94597  
Dates: Completed

#### SECTION 4 – PROJECT MANAGER

SMB's Steve Brown will serve as the overall Project Manager and will be the day-to-day contact for the City. In addition, Steve will be taking the lead in preparing the environmental document for this effort. Summarized below is a brief summary of his experience and his full resume is located in Appendix A.

**Steve Brown** has over 25 years of experience specializing in providing environmental, regulatory, and public relations support for a variety of water resources, engineering, solid waste, and energy projects. For this assignment, Steve will serve as the overall Project Manager providing the City with the single day-to-day contact and responsibility for this Project to be successful. As founder and president of SMB, Steve will ensure that the Project will be completed successfully on-time and within budget.

Steve has direct experience in preparing environmental compliance documents to meet the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements, conducting management audits, following legislative and regulatory changes for clients, and coordinating public involvement programs for a wide variety of public and private projects. Steve's broad background includes a strong understanding and knowledge of the institutional framework for allocating and managing water resources in California and the western United States. He has extensive experience and expertise in working on large, complex and controversial water resources projects including water



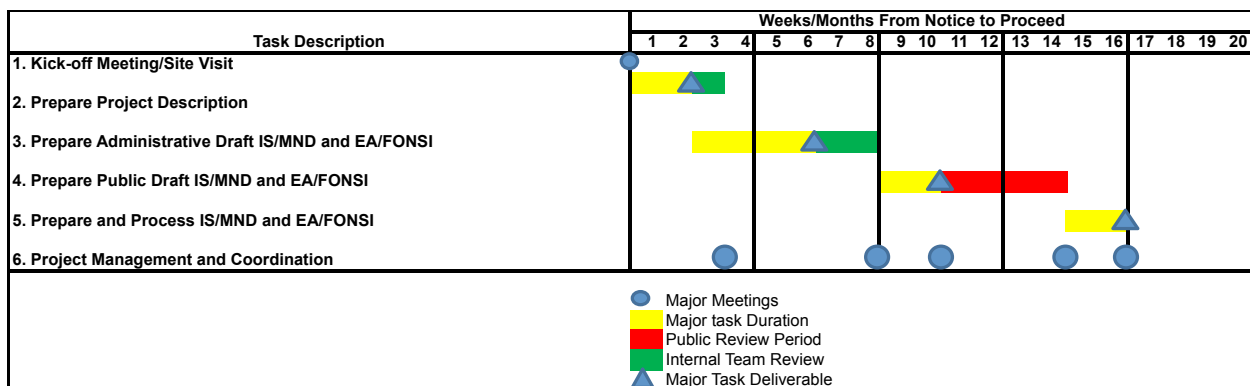
supply development; flood control; groundwater recharge and conjunctive use; water transfers and exchanges; pipeline and conveyance; water treatment plant expansion; and wastewater reclamation and recycling. In particular, Steve has significant experience and expertise in successfully completing environmental compliance documentation and obtaining all of the necessary federal, state, and local regulatory approvals for water supply projects including surface water supply diversions, groundwater wells, pipelines and canals. Steve also has extensive public involvement and outreach experience and expertise. Recent relevant projects that Steve has completed and/or is currently working on include the following that are further described above in Section 3 of this proposal:

- **City of Pleasanton Recycled Water Project – Environmental Issues and Constraints Report**
- **City of Ukiah Recycled Water Project – Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact**
- **Los Carneros Water District Recycled Water Pipeline Project – Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact**
- **City of Mountain View Recycled Water Project – Environmental Issues and Constraints Report**

**SECTION 5 - PROJECT SCHEDULE**

As shown below in Figure 1, SMB has developed a project schedule for producing and getting a IS/MND and EA/FONSI through the CEQA and NEPA process. The total time period allocated is 16 weeks from Notice to Proceed, including the required 30-day public review period.

**Figure 1 – Proposed Project Schedule**



**SECTION 6 – BUDGET**

As shown in Table 1 below, SMB proposes to prepare the necessary environmental documentation for the Proposed Project as described above for \$49,924. This budget is consistent with other similar projects of this type, size and complexity. If it is determined that an EIR and/or an EIS is required, SMB will prepare a detailed scope and budget for the subsequent environmental documentation required.

<b>Table 1                      Cost Estimate                      City of Pleasanton’s Proposed Recycled Water Project – IS/MND and EA/FONSI</b>		
<b>Task Description</b>	<b>Total Hours</b>	<b>Total Cost</b>
1. Kick-off/Site Visit	8	\$1,600
2. Prepare Project Description	12	\$1,950
3. Prepare Administrative Draft IS/MND and EA FONSI	172	\$28,940
4. Prepare Public Draft IS/MND and EA/FONSI	37	\$6,145
5. Prepare and Process Final IS/MND and EA/FONSI	20	\$3,550
6. Project Management and Coordination	16	\$3,200
<b>Total Labor</b>	<b>265</b>	<b>\$45,385</b>
Direct Costs (Data Reports, Travel, Postage and Delivery, Major Reproduction, Miscellaneous expenses) – Estimated at 10% of Direct Labor		\$4,539
<b>Total Estimated Cost</b>		<b>\$49,924</b>

# Appendix A

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## Resume

**Title**  
Principal

**Education**  
B.S. in Business Administration-  
Marketing, California State  
University, Chico

B.A. in Geography, California State  
University, Chico

**Experience**  
25 years

**Affiliations**  
Association of California Water  
Agencies  
California WaterReuse Association

## Summary

Steve Brown has over 25 years of experience specializing in providing environmental, regulatory, and public relations support for a variety of water resources, engineering, solid waste, and energy projects. He has direct experience in preparing environmental compliance documents to meet the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements, conducting management audits, following legislative and regulatory changes for clients, and coordinating public involvement programs for a wide variety of public and private projects.

Steve's broad background includes a strong understanding and knowledge of the institutional framework for allocating and managing water resources in California and the western United States. He has extensive experience and expertise in working on large, complex and controversial water resources projects including water supply development; flood control; groundwater recharge and conjunctive use; water transfers and exchanges; pipeline and conveyance; water treatment plant expansion; and wastewater reclamation and recycling.

In particular, Steve has significant experience and expertise in successfully completing environmental compliance documentation and obtaining all of the necessary federal, state, and local regulatory approvals for linear projects including pipelines and canals. Steve also has extensive public education experience.

## Relevant Experience

### **Folsom Water Supply and Conveyance Project, City of Folsom**

*Project Manager.* Steve managed the preparation of the environmental impact report/environmental impact statement (EIR/EIS) for the City of Folsom's proposed Water Supply and Conveyance Project to serve the planned Folsom Specific Plan Area. The proposed development consists of 10,093 dwelling units on approximately 3,600 acres of land located south of Highway 50 and currently lacks a sufficient water supply. The City is proposing to acquire the water rights totaling 8,000 acre-feet of water per year (AFY) from the Natomas Central Mutual Water Company (NCMWC) and conveying it to the Folsom Specific Plan Area. Steve identified and evaluated the environmental impacts of the various alternatives to get the water to the Folsom Specific Plan Area. This analysis was incorporated into the overall EIR/EIS to meet both CEQA and NEPA requirements. The City certified the document on June 14, 2011.

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**The People's Moss Landing Water Desalination Project EIR, Moss Landing**

*Project Director/Manager.* Steve is managing the preparation of The People's Moss Landing Water Desalination Project EIR. The purpose of the Proposed Project is to provide the Monterey Peninsula Area in Monterey County California with a safe and reliable water supply of up to 12,577 afy to offset mandated water supply diversion curtailments on the Carmel River and Seaside Basin and to meet the future water supply demands in the Monterey Peninsula area.

**Ukiah Water Recycling Project, City of Ukiah**

Steve managed and prepared an Initial Study Mitigated negative Declaration for the City of Ukiah's proposed Recycled Water Project. The purpose of the Proposed Project is to replace/augment existing water supplies in Ukiah Valley. Recycled water use within the Ukiah Valley would offset existing and future water demands for irrigation and frost protection of agricultural land, and in doing so, would support the local agricultural industry. It would also offset urban irrigation demands, ease storage limitations at the Ukiah Wastewater Treatment Plant (UWWTP), and reduce treated wastewater discharges to the Russian River. The Proposed Project was developed through an extensive engineering and feasibility study process, culminating in a recommended or preferred alternative. The basis for the Proposed Project for the environmental analysis is identified as the Preferred Alternative in Chapter 7 of the City's February 2012 *Recycled Water Master Plan*. The Proposed Project/Action would consist of 9.4 -miles of recycled water pipeline ranging in size from of 8- to 16-inch to provide recycled water from the City's existing Ukiah WWTP to approximately 990 acres of agricultural and urban landscape irrigation lands within the Ukiah Valley. Specifically, a total of 44 parcels covering 703 acres would be supplied with 1,234 AFY of recycled water for irrigation purposes. In addition, about 284 acres would be supplied with 142 AFY of recycled water for frost protection. The Initial Study/Mitigated Negative Declaration was certified and adopted by the City Council on June 5, 2013.

**Los Carneros Recycled Water Pipeline Project, Los Carneros Water District**

*Project Manager.* Steve is preparing an Initial Study/Mitigated Negative Declaration and an Environmental Assessment/Finding of No Significant Impact on the Los Carneros Recycled Water Pipeline Project that proposes to construct an approximately 12-mile recycled water pipeline to serve the 5,700 acres of agricultural land within the District. The Proposed Project would consist of a 6 to 24-inch pipeline system that would connect to the planned 24-inch recycled water pipeline to serve the Stanly Ranch/St. Regis area from the Napa Sanitation District's Imola Wastewater Treatment Plant. The Los Carneros Project would connect to the end of the Stanly Ranch/St. Regis pipeline and construct a new pipeline system from that point on for approximately 12 miles up and through the District. The proposed pipeline system would be located within existing roadway and would not require any pump stations or storage facilities. The Proposed Project would serve approximately 140 parcel or 3,400 acres of irrigable land within the District with a recycled water supply that meets Title 22 requirements of approximately 1,650 acre-feet per year.

**Pleasanton Recycled Water Project – Environmental Issues and Constraints Report, City of Pleasanton**

*Project Manager.* Steve managed the Environmental Issues and Constraints Report for the City of Pleasanton's Recycled Water Project. The Proposed Project/Action includes the upgrade and expansion of Dublin San Ramon Sanitation District's existing wastewater treatment plant (WWTP) to provide a recycled water supply of approximately 2,500 afy to meet recycled water demand in the City's service area and offset deliveries from the city's groundwater supplies and water supply purchases from Zone 7. The Proposed Project/Action also includes the construction of up to approximately 20- miles (103,100 linear feet) of pipeline ranging in diameter from 6-inches to 36-inches as well as the conversion of the existing Tassajara

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Reservoir to a recycled water storage facility. Steve is currently assisting the City in preparing an Initial Study/Mitigated Negative Declaration and Environmental Assessment/Finding of No Significant Impact to meet both CEQA and NEPA requirements.

**Mountain View Recycled Water Project – Environmental Issues and Constraints Report, City of Mountain View**

*Project Manager.* Steve managed the Environmental Issues and Constraints Report for the City of Pleasanton's Recycled Water Project. The Proposed Project/Action is for the expansion of the City's existing Recycled Water Project to provide an additional approximately 1,125 afy to meet recycled water demand in the City's service area through 2035. The Palo Alto Regional Water Quality Control Plant (RWQCP) will produce all of the recycled water. The Proposed Project/Action includes the construction of up to approximately 8 miles (42,800 linear feet) of pipeline ranging in diameter from 6-inches to 24-inches. The pipeline facilities would be located primarily in existing roadways. In addition, the Proposed Project/Action will also include the construction of two (2) storage tanks (i.e. 1.6 million gallons (mg) and 2.9 mg) and six (6) pump stations.

**Jamieson Canyon Water Treatment Plant Improvements Project EIR, City of Napa**

*Project Director/Manager.* Steve managed the preparation of an environmental impact report (EIR) for the proposed improvements to the City of Napa's Jamieson Canyon Water Treatment Facility (JCWTP). The goals and objectives of the proposed project are to upgrade and expand the existing 12 million gallon per day (mgd) plant to have an average treatment capacity of 20 mgd and a hydraulic peak hour treatment capacity of 24 mgd. These upgrades would enable the city to consolidate its current operational practices and costs from two other city-owned water treatment plants and operate the JCWTP predominately throughout the year. In addition, expanding the JCWTP would also allow the City to use and treat a greater portion of its allotment of State Water Project (SWP) water supplies that are delivered through the North Bay Aqueduct (NBA). The ability to more fully use its NBA water entitlements would enable the city to meet current and projected demands based on General Plan build-out in 2020 and provide contingencies for drought-proofing the city's water supplies.

**New Tanner Water Treatment Plant Project EIR, Amador Water Agency**

*Project Manager.* Steve managed the preparation of the environmental impact report for the proposed New Tanner Water Treatment Plant Project. The purpose of the project is to replace both the existing Tanner and Lone conventional water treatment plants with a single microfiltration water treatment facility to achieve improved water quality, lower long-term operational and maintenance costs, provide operational flexibility, and meet future and potentially more stringent water quality requirements.

**Forbestown Ditch Evaluation Study, Yuba County Water District**

*Project Manager – Environmental Review.* Completed an environmental review and assessment of the Forbestown Ditch as part of an overall engineering and environmental evaluation of the earthen ditch system that was originally constructed in the 1860's. The main ditch system includes several wooden flume and wooden pipeline facilities and extends approximately 41,500 feet and has an overall capacity of 40cfs with flows averaging 24 cfs during the irrigation season. In addition, the ditch system is a main source of drinking water for residents in Yuba County Water District's service area. The purpose of the study was to identify cost effective alternatives for reducing the amount of water lost to leakage/seepage, improving reliability of the water supply due to periodic mudslides and ditch failures in the steep foothill area, and most importantly improving the source water for potable purposes in the small rural communities. Alternatives considered ranged from piping all or portions of the ditch, lining all or portions of the ditch, and the no project alternative. The district applied for federal grant and loan assistance through the U.S. Department of



Agricultural's (USDA) Rural and Community Development Program for water and wastewater utilities. As part of the evaluation, Steve prepared an Environmental Information Document (EID) that was submitted to USDA for their evaluation of the potential environmental effects and to determine what level of environmental review was necessary for satisfying the requirements of the National Environmental Quality Act (NEPA).

**Harbor View Reservoir Replacement Project – Initial Study, City of Martinez**

*Project Director/Manger.* Managed preparation of an Initial Study for the replacement of the City of Martinez's Harbor View Reservoir.

**GET Water Supply Development, East Sacramento County Water Alliance**

*Project Manager.* Steve is providing project/program management consulting services to coordinate the technical and process-related activities associated with the settlement negotiations between the City of Folsom, Aerojet, Sacramento County Water Agency, and Golden States Water Company for the development and use of the groundwater extraction and treatment (GET) water supplies in east Sacramento County.

**Folsom Water System Optimization Review Program, City of Folsom**

*Project Manager.* Steve is assisting the City of Folsom with the development of its Water System Optimization Review (SOR) Program that it received a grant under the U.S. Bureau of Reclamation's (USBR) *Water for America Challenge Grant Program*. The City's proposed SOR will assess the potential to improve water conservation, increase water use efficiency, and enhance water management to ensure the long-term sustainability of the City's water supplies. Preliminary estimates suggest that the City can save and/or conserve approximately 5,000 to 10,000 acre-feet per year (afy) and make that water available for banking, sale, lease, or transfer. This represents 15 to 30 percent of the City's total water supply. SMB is working with the City and with potential regional partners and stakeholders to develop a conjunctive use program in the Sacramento County Central Groundwater Basin (Central Basin) to store that conserved/saved water for use in the dry and critically dry years as well as to make that water available for sale, lease, or exchange with other water users for regional water supply sustainability and/or mutual benefit.

**San Francisco Bay Division Pipeline 3 and 4 Crossover Facilities, San Francisco Public Utilities Commission**

*Environmental Project Manager.* Steve managed the preparation of the Initial Study/Mitigated Negative Declaration for the San Francisco Bay Division Pipelines 3 and 4 Crossover Facilities Project. The project involves the construction of three crossover facilities to interconnect the San Francisco Public Utilities Commission's (SFPUC's) Bay Division Pipelines Number (No.) 3 and No. 4 to improve system reliability in the event of an earthquake. Crossover valves and connections would be constructed within subsurface, concrete - lined vaults, which would be approximately 61 by 35 feet in area and 20 feet deep. An emergency generator, propane tank, and communication equipment would be installed on two concrete pads adjacent to each vault, and at one location (Guadalupe River site), a third pad would support a transformer.

**South Fork Stanislaus Water Supply Reliability Project, Tuolumne Utilities District**

*Project Manager.* Steve managed the environmental evaluation and compliance activities associated with the review and analysis to determine viable alternatives to protect the Tuolumne Main Canal from natural and manmade disasters. The Tuolumne Main Canal was built in the 1850's and is still used by the Pacific Gas and Electric Company (PG&E) to convey water to generate hydroelectric power and to the TUD's water treatment plants, agricultural and irrigation customers. The main canal conveys water to approximately 85% of Tuolumne County residents. The canal is approximately 5.6 miles long and includes several wooden flume structures, one of which is over a mile long, and is susceptible to fire, landslides, and other natural and

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manmade disasters. Steve was responsible for evaluating the environmental issues and constraints associated with the engineering or management alternatives developed and prepared an environmental information document analyzing the environmental impacts with the preferred project. TUD has received Grant Funding from the Environmental Protection Agency (EPA) and therefore the project must comply with both CEQA and NEPA.

### **Spring Gap-Stanislaus Hydroelectric Project, Tuolumne Utilities District**

*Environmental Compliance Project Manager.* As part of a team assembled by TUD, Steve participated in the review and petition to change the conditions in the State Water Resources Control Board's (State Board) Draft 401 Water Quality Certification and Initial Study/Mitigated Negative Declaration for the re-licensing of the Spring Gap-Stanislaus Hydroelectric Project. TUD asserts that the conditions are inconsistent with the 5-year collaborative process agreed to by the other stakeholders and would result in TUD customers not receiving water in dry and critically dry years. The team evaluated the model and environmental documentation and determined that the potential impacts have not been adequately addressed in the environmental document. As a result, TUD has filed a petition for reconsideration to the State Board and is working with the Federal Energy Regulatory Commission (FERC) to delay issuing the re-license with the State Board's proposed 401 water conditions.

### **Program in the Sacramento Valley for the U.S. Bureau of Reclamation**

*Project Manager.* Steve managed the evaluation of 32 tributary streams in the Sacramento Valley for small dams and reservoirs to help reduce the peak flows that cause considerable flood damage. In addition, the program analyzed water supply development, groundwater recharge, as well as water transfer and exchange scenarios to make the best use of the available local water resources. The program also included the development of 10,000 acres of nonstructural measures and environmental enhancements that are consistent with current floodplain management practices. The program was developed in parallel with the development of a Programmatic EIS/EIR to meet both NEPA and CEQA requirements.

### **Folsom Lake Temperature Control Device Project EIR, El Dorado Irrigation District**

*Project Manager/Director.* Led the team that prepared the EIR for the El Dorado Irrigation District (EID) on its Folsom Lake Temperature Control Device (TCD) Project. He prepared the environmental document on a fast-track basis within budget. The fast-track EIR was prepared on-budget and within five months from notice to proceed, allowing EID to certify the EIR and approve the project.

### **South Stockton Aqueduct IS/MND and EA/FONSI**

*Project Manager.* Managed the environmental documentation for the six-mile, 42-inch pipeline to serve water to the South Stockton Area. Steve developed a strategy for the acquisition of all necessary federal, state and local regulatory approvals, including Section 404 Permit, 401 Water Quality Certification, National Pollutant Discharge Elimination System (NPDES) Discharge Permit, 1601 Streambed Alteration Agreement, and Encroachment Permits from the City, County and California Department of Transportation (Caltrans). The project was being funded by the U.S. Department of Commerce,

### **Mare Island Naval Shipyard EPA Water Infrastructure Grant Environmental Compliance**

*Project Manager.* Managed the preparation of CEQA and NEPA environmental documentation for the rehabilitation and replacement of the sanitary sewer facilities at the former Mare Island Naval Shipyard. As part of the environmental review, Steve prepared an Environmental Information Document (EID)

### **Indefinite Delivery/Indefinite Quantity Contract, Mid-Pacific Region of the U.S. Bureau of Reclamation**

*Indefinite Delivery/Indefinite Quantity (IDIQ) Contract/Program Manager.* Responsible for day-to-day operations including tracking overall budgets and expenditures, assigning and coordinating appropriate resources, and managing the quality of deliverables for each of the individual task orders for a wide variety of planning studies and investigative services in the following disciplines: environmental compliance, water supply development, flood management, environmental restoration, water transfers, hydrology, groundwater, cultural and archeology resources, standard operating procedures, energy deregulation, and irrigation and drainage. In addition, Steve also served as project manager on several individual task orders.

### **Tuolumne County Watershed Assessment and Water Quality Plan**

*Project Director.* Directed the development of a Watershed Assessment and Water Quality Plan for Tuolumne County. Emphasis of the Assessment is placed on lower-foothill watersheds within the Upper Stanislaus and Upper Tuolumne Rivers. As part of the project, Steve oversaw the development of a Surface Water Monitoring and Reporting Program for the county to initially assess cumulative or mass pollutant loading within six surface water features. Other deliverables included preparing a sediment characterization task for the Sullivan Creek hydrologic area.

### **Corning, Proberta, and Thomes Water Districts to the Gray Lodge Wildlife Refuge**

*Project Manager.* Prepared an EA/FONSI for the transfer of 4,800 acre-feet of water. The water transfer proposal complied with the U.S. Bureau of Reclamation's Interim Water Transfer Guidelines under the Central Valley Project Improvement Act (Title XXXIV of Public Law 102-575).

### **CALFED Bay-Delta Program Long-Term Strategy**

*Project Manager.* Steve participated in preparing reconnaissance level investigations for numerous water storage and water conveyance facilities that were considered in the CALFED Bay-Delta Program Long-Term Strategy to restore water quality and the ecosystem of the Sacramento/San Joaquin River and San Francisco Bay Delta Estuary.

### **Water Management Program, Arvin-Edison Water Storage District**

*Public Education.* Developed materials for meetings with politicians, federal, state and local officials, other interested parties to explain the Arvin-Edison Water Management program and its benefits. The Program involved the Arvin-Edison Water Storage District transferring 350,000 acre-feet of its Class 2, "Wet Year" water to the Metropolitan Water District of Southern California over a 25-year period in exchange for the development and financing of 500 acres of spreading ponds, 15 extraction wells, and an intertie to the State Water Project via the California Aqueduct.

### **Sunrise Douglas Specific and Community Plans**

*Project Manager.* Managed the development of a "wrap-up report" and a public education program for the project. The program focused on summarizing water demand and phasing of surface and groundwater; integration with the County of Sacramento's Zone 40 Conjunctive use Program; the potential for off-site groundwater contaminant plumes to migrate into the project area as a result of increased groundwater extraction; the current groundwater quality as it relates to the state and federal drinking water standards; and funding for the construction and operation of groundwater and surface water facilities.

### **Sacramento River Water Reliability Study CEQA/NEPA**

*Project Manager.* As part of a large team, Steve assisted in managing the preparation of the environmental impact statement (EIS) and environmental impact report (EIR) for the Sacramento River Water Reliability Study (SRWRS). The study was initiated by the Bureau of Reclamation and Placer County Water Agency in 2002 on behalf of cost-sharing partners: City of Sacramento, the City of Roseville, Placer County Water

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Agency, and the Sacramento Suburban Water District. The goal of the SRWRS is to develop a water supply plan that is consistent with the 2000 Water Forum Agreement objectives to meet water supply needs of the Placer-Sacramento region to 2030 and promote ecosystem preservation along the lower American River. The plan would divert and distribute water from the Sacramento River for use in the service areas of cost-sharing partners. The Sacramento River diversion would provide additional water supply for planned development in the Placer-Sacramento region, reducing a portion of future diversions from the American River and further contributing to preservation of the lower American River. The diversion would also reduce groundwater pumping in the region, slowing the migration of large groundwater contaminant plumes to further protect the region's water supply reliability.

#### **Broadview Water Contract Assignment Project, Pajaro Valley Water Management Agency**

*Project Manager.* Managed the preparation of NEPA and CEQA environmental compliance documents for a Central Valley Project water service contract. The proposed imported water supply of approximately 27,000 acre-feet of water annually will provide help PVWMA meet the agricultural demands in the Pajaro Valley, help restore the groundwater basin, and alleviate seawater intrusion.

#### **Delta-Mendota Canal Unit of the U.S. Bureau of Reclamation**

*Project Manager.* Assisted in the preparation of an EA for the renewal of the long-term water service contracts for the Delta-Mendota Canal. The EA tiered off of the Programmatic Environmental Impact Statement for the implementation of the Central Valley Project Improvement Act (CVPIA) and NEPA compliance.

#### **San Luis Unit of the U.S. Bureau of Reclamation**

*Project Manager.* Assisted in the preparation of an EIS for the renewal of the long-term water service contracts for the San Luis Unit. The EIS tiered off of the Programmatic Environmental Impact Statement for the implementation of the CVPIA and NEPA compliance.

#### **Systems Optimization Review Grant, City of Folsom**

*Project Manager.* Helped obtain a \$500,000 Systems Optimization Review Grant from the U.S. Department of Interior, Bureau of Reclamation's Water for America Challenge Grant Program which will assess the potential to improve water conservation, increase water use efficiency, and enhance water management to ensure the long-term sustainability of the Folsom's water supplies. Preliminary estimates suggest that Folsom can save and/or conserve approximately 5,000 to 10,000 acre-feet per year (afy) and make that water available for banking, sale, lease, or transfer.

#### **Eastern San Joaquin Basin Integrated Conjunctive Use Program EIR**

*Project Director/Manager.* Managed the environmental review aspects for the development of a Program Environmental Impact Report (EIR) on the Eastern San Joaquin Integrated Conjunctive Use Program. The purpose of the Program is to implement a comprehensive, prioritized menu of water resources projects and actions to ensure the sustainability of groundwater resources in the San Joaquin Region. The 12 member agencies are employing a consensus based approach to collectively develop stakeholder-supported water resources projects that provide reliable water supplies to sustain the economic, social, and environmental viability of the San Joaquin County region.

#### **Woodcreek North Well Project Initial Study/Mitigated Negative Declaration, City of Roseville**

*Project Manager/Director.* Prepared an Initial Study and Mitigated Negative Declaration for the City of Roseville's Woodcreek North Well Project. The proposed well will be 400 feet deep, will produce 3,000 gallons of water per minute, and will be used to back up existing water supplies during critically dry periods.

### **Stockton Blending Facilities Project, Cal Water**

*Project Manager/Director.* Several of Cal Water's groundwater wells have arsenic concentration above the Environmental Protection Agency's (EPA) new maximum contaminant level (MCL) arsenic standard of 10 parts per billion (ppb). Steve prepared the Initial Study/Mitigated Negative Declaration that analyzed the potential environmental impacts associated with implementing the project, including blending affected groundwater with other surface water supplies to dilute the arsenic to acceptable levels.

### **Excelsior Groundwater Treatment Plant Environmental and Permitting Issues and Constraints Report**

*Project Manager.* Managed the environmental documentation for the proposed Excelsior Groundwater Treatment Plant, Pipeline, and Storage Facilities Project to serve the Sunrise Douglas Community/ SunRidge Specific Plan of the Sacramento County Water Agency Zone 40 water service area. Steve developed a report that identified the issues and constraints of the construction and operation of the Proposed Project and developed a strategy for obtaining the necessary permits and approvals.

### **Groundwater Banking Project, Semitropic Water Storage District**

*Public Education.* Developed a public education and public relations program for the project including creation of a brochure, table-top display, and an automated computer-driven presentation and educational slide show. He also wrote and submitted a winning entry and application for the Water Management Category of the Clair A. Hill Award. Winners were acknowledged at the Association of California Water Agencies' Spring 1995 Conference.

### **Wastewater Treatment and Reclamation Plant Upgrade Project EIR, City of St. Helena**

*Project Director/Manager.* Managed the preparation of an environmental impact report for the City of St. Helena's proposed upgrades to its wastewater treatment and reclamation plant. The primary goal and objective of the Proposed Project is to provide the additional treatment capacity necessary at the WWTRP to meet waste discharge requirements (WDRs) issued by the SFBRWQCB and to be consistent with the City of St. Helena's General Plan (1993a). Specifically, the goals and objectives of the Project are to construct facilities to ensure that: effluent discharged to the Napa River meets or exceeds the current discharge limitations; effluent applied to the spray field meets or exceeds the current and future WDRs reclamation quality; and effluent is treated to Title 22 tertiary standards in anticipation of future potential projects to deliver reclaimed water from the WWTRP to offsite locations for non-potable reuse.

### **Harding Drain Bypass Project EIR, City of Turlock**

*Project Manager.* Managed the EIR for this six-mile, 60-inch pipeline that would convey the City's tertiary treated water directly to the San Joaquin River for discharge and disposal, bypassing the Harding Drain. Steve assisted the City in developing the Petition for Change in Discharge for the State Water Resources Control Board, and permitting strategies for the necessary federal, state, and local permits and regulatory approvals, including a Section 404 Permit, 401 Water Quality Certification, NPDES Discharge Permit, 1601 Streambed Alteration Agreement, and encroachment permits.

### **Wastewater Pipeline/Outfall Project EIR, City of Ceres**

*Project Manager.* Managed the environmental documentation and permitting for this 18-inch, 13-mile pipeline and pump station, planned to convey up to two million gallons per day (mgd) of primarily treated wastewater from the city's wastewater treatment plant to the city of Turlock's wastewater treatment plant. The project team developed a mitigation monitoring and reporting plan strategy to reduce the environmental impact to less-than-significant levels as well as a permitting strategy to obtain the necessary permits for construction.

### **Sanitary Sewer Overflow Elimination Program EIR, Vallejo Sanitation and Flood Control District**

*Project Manager.* Managed the preparation of environmental documentation for the implementation of various project components, including the development of storage and conveyance improvements to eliminate unauthorized sanitary sewer overflows associated with the existing sewer system. He prepared addendums, initial studies, negative declarations and other CEQA documents, mitigation measures, and environmental training identified in the Program EIR.

### **Wet-Weather Storage Facility EIR, Vallejo Sanitation and Flood Control District**

*Project Manager.* Managed the EIR preparation that evaluated the construction and operation of a new storage facility that would have a total capacity of approximately 8.6 million gallons.

### **Wet Weather Improvements Project, Central Marin Sanitation Agency**

*Project Director/Manager.* Managed the preparation of an Initial Study leading to the adoption of a Mitigated Negative Declaration for the construction and operations of the Central Marin Sanitation Agency's (CMSA) propose Wet Weather Improvements Project. The purpose of the improvements is to improve CMSA's wastewater treatment plant so that it can handle wet weather flows that meet a five year design flow event and accommodate an influent collection system hydraulic limit of 125 million gallons per day.

### **Sacramento Area Flood Control Updated Environmental Documentation**

*Project Director.* Oversaw the fast-track supplemental EIR that addressed floodway improvements capable of passing a 100-year flood event on several streams in Sacramento County. The supplemental EIR was prepared in less than five months.

### **Alturas Hydrologic Study and Stormwater Management Plan**

*Project Director.* Oversaw the development of the Stormwater Management Plan for the City of Alturas, California. The project focused on reducing chronic flooding within the City and reducing nonpoint source impacts to the Pit River watershed. As part of the project, Steve consulted with the City, Regional Board, and Local RCD, and participated in developing runoff management strategies to alleviate flooding and non-point source pollutants. The ultimate outcome of the project supports the long-term goals and objectives of the CALFED Program.

### **Regional Stormwater Management Plan, Truckee Meadows Interlocal Stormwater Committee (TMISC)**

*Project Manager.* Developed a program that was developed primarily through a series of interactive workshops with the TMISC and other stakeholders to determine the extent and location of existing stormwater quality problems, identify possible solutions, and reach consensus on what the specific goals and objectives of the program should be. The services provided included all aspects of NPDES stormwater permit support including: the development of best management practices (BMPs), a stormwater discharge monitoring program, illegal discharge detection and elimination controls, structural controls for water quality improvements, plans to regulate discharges to storm drains and water courses, and public education and participation programs.

### **Reclamation District 2035 (RD 2035) Diversion Fish Screen Project**

*Project Manager.* Managed the preparation of an environmental review and analysis to meet the requirements of CEQA and NEPA. Steve prepared a combined Initial Study/Negative Declaration (IS/ND) and EA/FONSI for this project. He developed a strategy for the acquisition of all necessary federal, state and local regulatory approvals, including Section 404 Permit, 401 Water Quality Certification, NPDES Discharge Permit, 1601 Streambed Alteration Agreement, and Encroachment Permits. In addition, Steve oversaw the development of a Biological Assessment for the Bureau of Reclamation's consultation with the

U.S. Fish and Wildlife Services. RD 2035 approved the project in December of 2003 and is currently awaiting funds for construction.

### **Patterson Irrigation District Fish Screen Project EIR/EIS**

*Project Manager.* The new diversion would replace the existing diversion of 195 cfs with the same capacity, but a positive barrier fish screen to meet the requirements of the U.S. National Oceanic and Atmospheric Administration Fisheries and the California Department of Fish and Game's fish screen criteria, preventing the entrainment of fish in the pumped diversion. Steve prepared a combined IS/ND and EA/FONSI for this project and oversaw the development of an Action Specific Implementation Plan (ASIP) for consultation with the U.S. Fish and Wildlife Service, the National Marine Fisheries Service and the California Department of Fish and Game. In addition, Steve developed a strategy for the acquisition of all necessary federal, state and local regulatory approvals, including Section 404 Permit, 401 Water Quality Certification, NPDES Discharge Permit, 1601 Streambed Alteration Agreement, and Encroachment Permits. In addition, the project included preparation of a Action Specific Implementation Plan (ASIP) for the Bureau of Reclamation's consultation with the U.S. Fish and Wildlife Services.

### **Meridian Farms Fish Screen Project**

*Project Manager.* Managed the preparation of CEQA and NEPA environmental documentation for the construction and operation of the project. Steve prepared a combined IS/ND and EA/FONSI for this project and oversaw the development of an Action Specific Implementation Plan (ASIP) for consultation with the U.S. Fish and Wildlife Service, the National Marine Fisheries Service and the California Department of Fish and Game. He also developed a strategy for the acquisition of all necessary federal, state and local regulatory approvals, including Section 404 Permit, 401 Water Quality Certification, NPDES Discharge Permit, 1601 Streambed Alteration Agreement, and Encroachment Permits.

### **Fairfield-Suisun Sewer District – Wind Energy Project**

*Project Manager.* Prepared the Initial Study/Mitigated Negative Declaration to meet the requirements of CEQA for the Fairfield-Suisun Sewer District's proposed Wind Energy Project. The purpose of the project is to install approximately 200 kilowatts (kW) of wind energy power generation facilities that would provide up to 113,000 kilowatt-hours of wind energy power annually to offset some of the electrical demands of the District's wastewater treatment plant operations; thereby decreasing its carbon footprint for energy use and consumption. The district is proposing to install and operate four (4) 50-kW turbines that will harness renewable wind energy resources and provide total generation capacity of approximately 200-kW of renewable electricity. Each of the four wind turbines are approximately 100-feet tall and have a three blade rotor with a diameter of 50 feet. As part of the environmental analyses, Steve worked with California Department of Fish and Game to resolve bird and bat strike and mortality issues quickly and efficiently. Steve prepared and successfully completed the environmental review process within 2 months from notice to proceed.

### **Kramer Junction Pipeline, City of Adelanto**

*Project Manager.* Managed the preparation of environmental compliance documents and permits for the construction of a 32-mile natural gas pipeline from Kramer Junction to the City of Adelanto, California. He successfully applied for and obtained a 401 Water Quality Certification for the 40 dry wash crossings from the Regional Water Quality Control Board, and assisted in obtaining the right-of-way grants and the development of the compensation agreements for the mitigation measures including the purchase of habitat for the desert tortoise.

### **Aliso Canyon and La Goleta Cushion Gas Project**

*Project Manager.* Managed the preparation of environmental documentation for withdrawing cushion gas from two operational production fields in order to be able to market and sell this gas during the winter. The California Public Utilities Commission was the lead agency for compliance with CEQA and through successful discussions, the project qualified for a categorical exemption.

### **San Carlos Airport Master Plan Update EIR**

*Project Manager.* Managed the preparation of the EIR for a highly controversial Airport Master Planning project at the San Carlos Airport. Local residents expressed concerns about more and larger aircraft using the airport as a result of the proposed project and the potential for increased noise, air quality, and traffic impacts. As a result, the proposed project description has changed substantially from the 1997 Airport Master Plan originally prepared by another consulting firm. Steve acted as an independent/objective evaluator of the potential environmental impacts and prepared the EIR.

### **South Trunk Sanitary Sewer Relief Project, City of San Mateo**

*Project Manager.* Steve managed the preparation of an Initial Study/Mitigated Negative Declaration for the City of San Mateo's proposed capacity improvements to the South Trunk Sanitary Sewer System to allow the City to move forward with its planned new development and redevelopment in the South Trunk area. The proposed project included the construction of approximately 8,500 linear feet of new sanitary sewer pipelines ranging in size from 15 inches to 24 inches in diameter to serve the planned new development and the redevelopment areas. This project was one of the mitigation measures identified in the City's General Plan Update EIR and agreed to as part of the approvals for the new development and redevelopment in the area. This project was successfully completed on a fast track basis and was on time and with budget.

### **Sanitary Sewer Rehabilitation and Replacement Project, Napa Sanitation District**

*Project Manager.* Steve managed the environmental documentation that analyzed the potential effects of the District's proposed sanitary sewer rehabilitation and replacement project on East Spring Street and Montecito Boulevards in the City of Napa, California. The purpose of the project is to correct infiltration and inflow (I/I) problems and bring the existing system up to current District standards. Phase I of the project consisted of slip-lining approximately 11,500 linear feet of pipeline. Phase II included replacing approximately 5,000 linear feet of pipeline with new polyvinyl chloride (PVC) pipe. Steve managed the preparation of all of the CEQA documentation as well as CEQA-Plus documents including a separate Cultural Resources Investigation Report and a Biological Resources Effects report to support obtaining State Revolving Funds from the State Board through the U.S. Environmental Protection Agency.

### **Wastewater Treatment and Reclamation Plant Upgrade Project EIR, City of St. Helena**

*Project Director/Manager.* Steve managed the preparation of an environmental impact report for the City of St. Helena's proposed upgrades to its wastewater treatment and reclamation plant. The primary goal and objective of the Proposed Project is to provide the additional treatment capacity necessary at the WWTRP to meet waste discharge requirements (WDRs) issued by the SFBRWQCB and to be consistent with the City of St. Helena's General Plan (1993a). Specifically, the goals and objectives of the Project are to construct facilities to ensure that: effluent discharged to the Napa River meets or exceeds the current discharge limitations; effluent applied to the spray field meets or exceeds the current and future WDRs reclamation quality; and effluent is treated to Title 22 tertiary standards in anticipation of future potential projects to deliver reclaimed water from the WWTRP to offsite locations for non-potable reuse.



### **Harding Drain Bypass Project EIR, City of Turlock**

*Project Manager.* Steve managed the EIR for this six-mile, 60-inch, pipeline that would convey the City's tertiary treated water directly to the San Joaquin River for discharge and disposal, bypassing the Harding Drain. Steve assisted the City in developing the Petition for Change in Discharge for the State Water Resources Control Board, and permitting strategies for the necessary federal, state, and local permits and regulatory approvals, including a Section 404 Permit, 401 Water Quality Certification, NPDES Discharge Permit, 1601 Streambed Alteration Agreement, and encroachment permits.

### **Wastewater Pipeline/Outfall Project EIR, City of Ceres**

*Project Manager.* Steve managed the environmental documentation and permitting for this 18-inch, 13-mile pipeline and pump station, planned to convey up to two million gallons per day (mgd) of primarily treated wastewater from the city's wastewater treatment plant to the city of Turlock's wastewater treatment plant. The project team developed a mitigation monitoring and reporting plan strategy to reduce the environmental impact to less-than-significant levels as well as a permitting strategy to obtain the necessary permits for construction.

### **Sanitary Sewer Overflow Elimination Program EIR, Vallejo Sanitation and Flood Control District**

*Project Manager.* Steve managed the preparation of environmental documentation for the implementation of various project components, including the development of storage and conveyance improvements to eliminate unauthorized sanitary sewer overflows associated with the existing sewer system. He prepared addendums, initial studies, negative declarations and other CEQA documents, mitigation measures, and environmental training identified in the Program EIR.

### **Wet-Weather Storage Facility EIR, Vallejo Sanitation and Flood Control District**

*Project Manager.* Steve managed the EIR preparation that evaluated the construction and operation of a new storage facility that would have a total capacity of approximately 8.6 million gallons.

### **Wet Weather Improvements Project, Central Marin Sanitation Agency**

*Project Director/Manager.* Steve managed the preparation of an Initial Study leading to the adoption of a Mitigated Negative Declaration for the construction and operations of the Central Marin Sanitation Agency's (CMSA) propose Wet Weather Improvements Project. The purpose of the improvements is to improve CMSA's wastewater treatment plant so that it can handle wet weather flows that meet a five year design flow event and accommodate an influent collection system hydraulic limit of 125 million gallons per day.